

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 06/20/05

Date Received: 06/16/05

Project: Metro Self Monitor, PO# M96371, F&BI 506172

Date Extracted: 06/16/05

Date Analyzed: 06/16/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES  
FOR TOTAL METALS  
BY EPA METHOD 6010**

Results Reported as mg/L (ppm)

| <u>Sample ID</u><br>Laboratory ID | <u>Chromium</u> | <u>Copper</u> | <u>Nickel</u> | <u>Zinc</u> |
|-----------------------------------|-----------------|---------------|---------------|-------------|
| M96371<br>506172-01               | 0.36            | 0.55          | 0.83          | 0.24        |
| Method Blank                      | <0.05           | <0.05         | <0.10         | <0.05       |

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**QUALITY ASSURANCE RESULTS  
FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS  
BY EPA METHOD 6010**

Laboratory Code: 506131-02 (Duplicate)

| Analyte  | Reporting Units | Sample Result | Duplicate Result | Relative Percent Difference | RPD (Limit 20) |
|----------|-----------------|---------------|------------------|-----------------------------|----------------|
| Chromium | mg/L (ppm)      | <0.05         | <0.05            | nm                          | 0-20           |
| Copper   | mg/L (ppm)      | 0.37          | 0.39             | 5                           | 0-20           |
| Nickel   | mg/L (ppm)      | 0.16          | 0.13             | a                           | 0-20           |
| Zinc     | mg/L (ppm)      | <0.05         | <0.05            | nm                          | 0-20           |

Laboratory Code: 506131-02 (Matrix Spike)

| Analyte  | Reporting Units | Spike Level | Sample Result | Percent Recovery MS | Control Limits |
|----------|-----------------|-------------|---------------|---------------------|----------------|
| Chromium | mg/L (ppm)      | 5           | <0.05         | 84                  | 50-150         |
| Copper   | mg/L (ppm)      | 5           | 0.37          | 88                  | 50-150         |
| Nickel   | mg/L (ppm)      | 10          | 0.16          | 87                  | 50-150         |
| Zinc     | mg/L (ppm)      | 5           | <0.05         | 90                  | 50-150         |

Laboratory Code: Laboratory Control Sample

| Analyte  | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------|-----------------|-------------|----------------------|---------------------|
| Chromium | mg/L (ppm)      | 5           | 89                   | 70-130              |
| Copper   | mg/L (ppm)      | 5           | 91                   | 70-130              |
| Nickel   | mg/L (ppm)      | 10          | 92                   | 70-130              |
| Zinc     | mg/L (ppm)      | 5           | 92                   | 70-130              |

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
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June 20, 2005

**DUPLICATE COPY**

**INVOICE #05ACU0620-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M96371, F&BI 506172 - Results of testing  
requested by Gerry Thompson for material submitted on June 16, 2005.

|  |                 |
|--|-----------------|
| 1 sample analyzed for Total Chromium, Copper, Nickel and Zinc<br>by Method 6010B @ \$80 per sample | <u>\$ 80.00</u> |
|--|-----------------|

|                  |          |
|------------------|----------|
| Amount Due ..... | \$ 80.00 |
|------------------|----------|

FEDERAL TAX ID #(b) (6)



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June 20, 2005

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

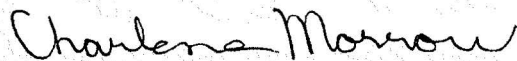
Dear Mr. Thompson:

Included are the results from the testing of material submitted on June 16, 2005 from the Metro Self Monitor, PO# M96371, F&BI 506172 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU0620R.DOC